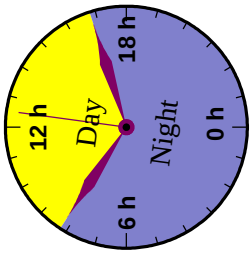
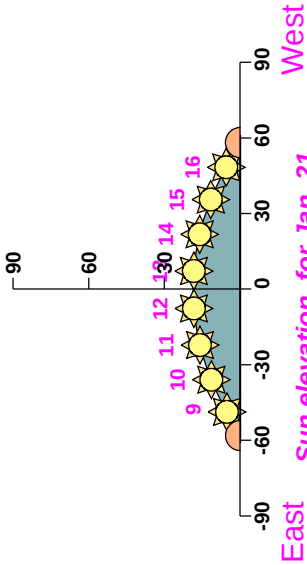


January 2013

Katlenburg-Lindau

10.099°E, 51.682°N



Pink Sun elevation, for Jan. 21

Purple Duration of the day, for January 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1

7	7 - 358 08:25 - 16:28	8:03	+2 m.	16°
14	14 - 351 08:20 - 16:38	8:17	+2 m.	17°
21	21 - 344 08:13 - 16:49	8:36	+3 m.	19°

2

8	8 - 357 08:24 - 16:29	8:05	+2 m.	16°
15	15 - 350 08:19 - 16:40	8:20	+3 m.	17°
22	22 - 343 08:12 - 16:51	8:38	+2 m.	19°

3

9	9 - 356 08:24 - 16:31	8:07	+2 m.	16°
16	16 - 349 08:19 - 16:41	8:22	+2 m.	18°
23	23 - 342 08:11 - 16:53	8:41	+3 m.	19°

4

10	10 - 355 08:23 - 16:32	8:09	+2 m.	16°
17	17 - 348 08:18 - 16:43	8:25	+3 m.	18°
24	24 - 341 08:10 - 16:55	8:44	+3 m.	19°

5

11	11 - 354 08:22 - 16:33	8:11	+2 m.	17°
18	18 - 347 08:17 - 16:44	8:27	+2 m.	18°
25	25 - 340 08:09 - 16:56	8:47	+3 m.	20°

12	12 - 353 08:22 - 16:35	8:13	+2 m.	17°
19	19 - 346 08:16 - 16:46	8:30	+3 m.	18°
26	26 - 339 08:07 - 16:58	8:50	+3 m.	20°

13	13 - 352 08:21 - 16:36	8:15	+2 m.	17°
20	20 - 345 08:15 - 16:48	8:33	+3 m.	18°
27	27 - 338 08:06 - 17:00	8:54	+4 m.	20°

1	1 - 365 08:26 - 16:21	7:54	+1 m.	15°
2	2 - 363 08:26 - 16:22	7:55	+1 m.	16°
3	3 - 362 08:26 - 16:23	7:57	+2 m.	16°

4	4 - 361 08:26 - 16:24	7:58	+1 m.	16°
11	11 - 354 08:22 - 16:33	8:11	+2 m.	17°
18	18 - 347 08:17 - 16:44	8:27	+2 m.	18°

5	5 - 360 08:25 - 16:25	8:00	+2 m.	16°
12	12 - 353 08:22 - 16:35	8:13	+2 m.	17°
19	19 - 346 08:16 - 16:46	8:30	+3 m.	18°

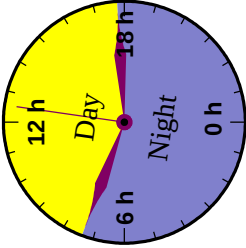
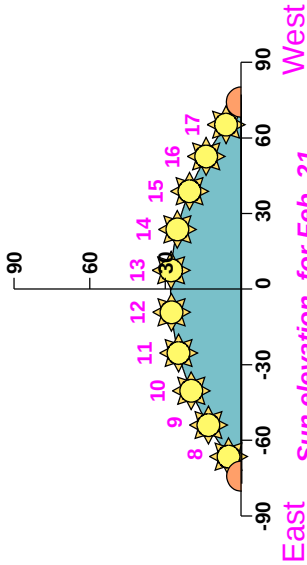
6	6 - 359 08:25 - 16:27	8:01	+1 m.	16°
13	13 - 352 08:21 - 16:36	8:15	+2 m.	17°
20	20 - 345 08:15 - 16:48	8:33	+3 m.	18°

28	28 - 337 08:04 - 17:02	8:57	+3 m.	20°
29	29 - 336 08:03 - 17:03	9:00	+3 m.	21°
30	30 - 335 08:02 - 17:05	9:03	+3 m.	21°

31	31 - 334 08:00 - 17:07	9:07	+4 m.	21°
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February 2013

Katlenburg-Lindau
10.099°E, 51.682°N



Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

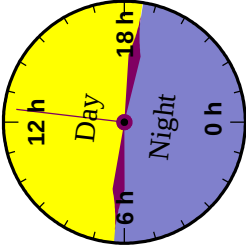
Duration of the day - Variation - Sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5	4 35 - 330 07:54 - 17:14 9:20 +3 m. 22°	5 36 - 329 07:52 - 17:16 9:24 +4 m. 23°	6 37 - 328 07:50 - 17:18 9:27 +3 m. 23°	7 38 - 327 07:49 - 17:20 9:31 +4 m. 23°	1 32 - 333 07:59 - 17:09 9:10 +3 m. 21°	2 33 - 332 07:57 - 17:11 9:13 +3 m. 22°	3 34 - 331 07:55 - 17:13 9:17 +4 m. 22°
6	11 42 - 323 07:41 - 17:27 9:45 +3 m. 24°	12 43 - 322 07:40 - 17:29 9:49 +4 m. 25°	13 44 - 321 07:38 - 17:31 9:53 +4 m. 25°	14 45 - 320 07:36 - 17:33 9:57 +4 m. 25°	8 39 - 326 07:47 - 17:22 9:34 +3 m. 24°	9 40 - 325 07:45 - 17:24 9:38 +4 m. 24°	10 41 - 324 07:43 - 17:25 9:42 +4 m. 24°
7	18 49 - 316 07:28 - 17:40 10:12 +4 m. 27°	19 50 - 315 07:26 - 17:42 10:16 +4 m. 27°	20 51 - 314 07:24 - 17:44 10:20 +4 m. 28°	21 52 - 313 07:22 - 17:46 10:24 +4 m. 28°	15 46 - 319 07:34 - 17:35 10:01 +4 m. 26°	16 47 - 318 07:32 - 17:36 10:05 +4 m. 26°	17 48 - 317 07:30 - 17:38 10:08 +3 m. 27°
8	25 56 - 309 07:14 - 17:53 10:39 +4 m. 29°	26 57 - 308 07:11 - 17:55 10:43 +4 m. 30°	27 58 - 307 07:09 - 17:56 10:47 +4 m. 30°	28 59 - 306 07:07 - 17:58 10:51 +4 m. 31°	22 53 - 312 07:20 - 17:47 10:28 +4 m. 28°	23 54 - 311 07:18 - 17:49 10:32 +4 m. 29°	24 55 - 310 07:16 - 17:51 10:35 +3 m. 29°
9							

March 2013

Katlenburg-Lindau

10.099°E, 51.682°N



East Sun elevation, for March 21

Duration of the day, for March 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Time change March 31

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

9

10

11

12

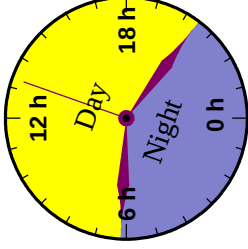
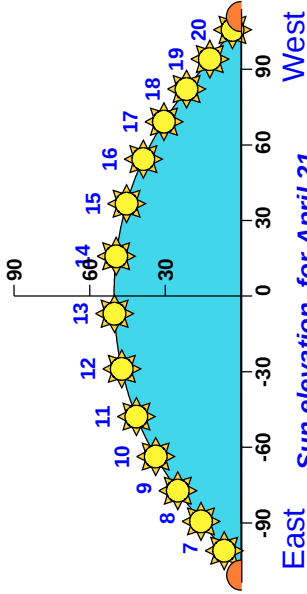
13

4	63 - 302 06:58 - 18:05 11:07 +4 m. 32°	5	64 - 301 06:56 - 18:07 11:11 +4 m. 32°	6	65 - 300 06:54 - 18:09 11:15 +4 m. 33°	7	66 - 299 06:52 - 18:11 11:19 +4 m. 33°	8	67 - 298 06:50 - 18:12 11:23 +4 m. 34°	9	68 - 297 06:47 - 18:14 11:27 +4 m. 34°	10	69 - 296 06:45 - 18:16 11:31 +4 m. 34°
11	70 - 295 06:43 - 18:18 11:35 +4 m. 35°	12	71 - 294 06:41 - 18:19 11:39 +4 m. 35°	13	72 - 293 06:38 - 18:21 11:43 +4 m. 36°	14	73 - 292 06:36 - 18:23 11:47 +4 m. 36°	15	74 - 291 06:34 - 18:24 11:51 +4 m. 36°	16	75 - 290 06:32 - 18:26 11:55 +4 m. 37°	17	76 - 289 06:29 - 18:28 11:59 +4 m. 37°
18	77 - 288 06:27 - 18:30 12:03 +4 m. 38°	19	78 - 287 06:25 - 18:31 12:07 +4 m. 38°	20	79 - 286 06:22 - 18:33 12:11 +4 m. 38°	21	80 - 285 06:20 - 18:35 12:15 +4 m. 39°	22	81 - 284 06:18 - 18:36 12:19 +4 m. 39°	23	82 - 283 06:15 - 18:38 12:23 +4 m. 40°	24	83 - 282 06:13 - 18:40 12:27 +4 m. 40°
25	84 - 281 06:11 - 18:42 12:31 +4 m. 40°	26	85 - 280 06:09 - 18:43 12:35 +4 m. 41°	27	86 - 279 06:06 - 18:45 12:39 +4 m. 41°	28	87 - 278 06:04 - 18:47 12:43 +4 m. 41°	29	88 - 277 06:02 - 18:48 12:47 +4 m. 42°	30	89 - 276 05:59 - 18:50 12:51 +4 m. 42°	31	90 - 275 06:57 - 19:52 12:55 +4 m. 43°

April 2013

Katlenburg-Lindau

10.099°E, 51.682°N



Sun elevation, for April 21

Duration of the day, for April 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 91 - 274
06:55 - 19:53
12:59 +4 m. 43°

2 92 - 273
06:53 - 19:55
13:03 +4 m. 43°

3 93 - 272
06:50 - 19:57
13:06 +3 m. 44°

4 94 - 271
06:48 - 19:58
13:10 +4 m. 44°

5 95 - 270
06:46 - 20:00
13:14 +4 m. 45°

6 96 - 269
06:44 - 20:02
13:18 +4 m. 45°

7 97 - 268
06:41 - 20:04
13:22 +4 m. 45°

8 98 - 267
06:39 - 20:05
13:26 +4 m. 46°

9 99 - 266
06:37 - 20:07
13:30 +4 m. 46°

10 100 - 265
06:35 - 20:09
13:34 +4 m. 46°

11 101 - 264
06:32 - 20:10
13:38 +4 m. 47°

12 102 - 263
06:30 - 20:12
13:42 +4 m. 47°

13 103 - 262
06:28 - 20:14
13:46 +4 m. 48°

14 104 - 261
06:26 - 20:15
13:49 +3 m. 48°

15 105 - 260
06:24 - 20:17
13:53 +4 m. 48°

16 106 - 259
06:22 - 20:19
13:57 +4 m. 49°

17 107 - 258
06:19 - 20:20
14:01 +4 m. 49°

18 108 - 257
06:17 - 20:22
14:05 +4 m. 49°

19 109 - 256
06:15 - 20:24
14:09 +4 m. 50°

20 110 - 255
06:13 - 20:25
14:12 +3 m. 50°

21 111 - 254
06:11 - 20:27
14:16 +4 m. 50°

22 112 - 253
06:09 - 20:29
14:20 +4 m. 51°

23 113 - 252
06:07 - 20:30
14:24 +4 m. 51°

24 114 - 251
06:05 - 20:32
14:27 +3 m. 51°

25 115 - 250
06:03 - 20:34
14:31 +4 m. 52°

26 116 - 249
06:01 - 20:35
14:35 +4 m. 52°

27 117 - 248
05:59 - 20:37
14:38 +3 m. 52°

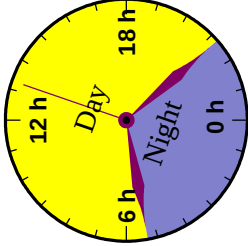
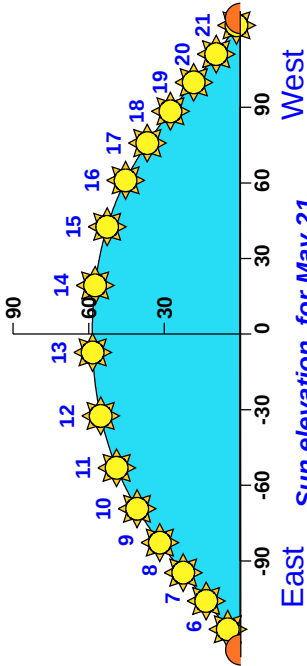
28 118 - 247
05:57 - 20:39
14:42 +4 m. 53°

29 119 - 246
05:55 - 20:40
14:46 +4 m. 53°

30 120 - 245
05:53 - 20:42
14:49 +3 m. 53°

May 2013

Katlenburg-Lindau
10.099°E, 51.682°N



Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day, for May 21

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

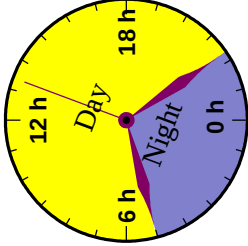
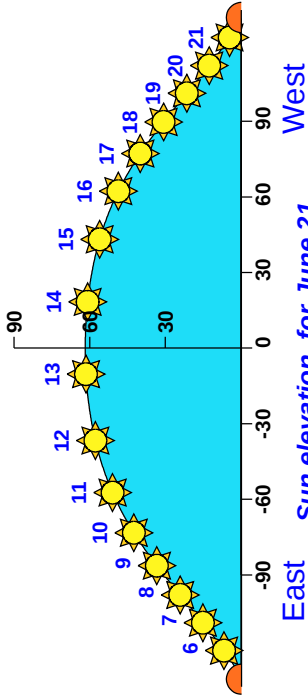
21

22

6	126 - 239 05:42 - 20:52 15:10 +3 m. 55°	7	127 - 238 05:40 - 20:54 15:14 +4 m. 55°	1	121 - 244 05:51 - 20:44 14:53 +4 m. 54°	2	122 - 243 05:49 - 20:45 14:56 +3 m. 54°	3	123 - 242 05:47 - 20:47 15:00 +4 m. 54°	4	124 - 241 05:45 - 20:49 15:03 +3 m. 54°	5	125 - 240 05:44 - 20:50 15:07 +4 m. 55°
13	133 - 232 05:30 - 21:03 15:33 +3 m. 57°	14	134 - 231 05:29 - 21:05 15:36 +3 m. 57°	8	128 - 237 05:38 - 20:55 15:17 +3 m. 56°	9	129 - 236 05:37 - 20:57 15:20 +3 m. 56°	10	130 - 235 05:35 - 20:58 15:23 +3 m. 56°	11	131 - 234 05:33 - 21:00 15:27 +4 m. 56°	12	132 - 233 05:32 - 21:01 15:30 +3 m. 57°
20	140 - 225 05:20 - 21:13 15:53 +2 m. 58°	21	141 - 224 05:19 - 21:15 15:56 +3 m. 59°	22	142 - 223 05:18 - 21:16 15:59 +3 m. 59°	23	143 - 222 05:16 - 21:18 16:01 +2 m. 59°	24	144 - 221 05:15 - 21:19 16:04 +3 m. 59°	25	145 - 220 05:14 - 21:20 16:06 +2 m. 59°	26	146 - 219 05:13 - 21:21 16:09 +3 m. 60°
27	147 - 218 05:12 - 21:23 16:11 +2 m. 60°	28	148 - 217 05:11 - 21:24 16:13 +2 m. 60°	29	149 - 216 05:10 - 21:25 16:15 +2 m. 60°	30	150 - 215 05:09 - 21:26 16:17 +2 m. 60°	31	151 - 214 05:08 - 21:27 16:19 +2 m. 60°				

June 2013

Katlenburg-Lindau
10.099°E, 51.682°N



Sun elevation, for June 21

Duration of the day, for June 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

24

25

26

3	154 - 211 05:06 - 21:31	16:25 +2 m. 61°
10	161 - 204 05:02 - 21:37	16:35 +1 m. 61°

4	155 - 210 05:05 - 21:32	16:27 +2 m. 61°
11	162 - 203 05:02 - 21:37	16:36 +1 m. 61°

17	168 - 197 05:01 - 21:41	16:40 +1 m. 62°
24	175 - 190 05:02 - 21:42	16:40 +0 m. 62°

25	176 - 189 05:03 - 21:42	16:40 +0 m. 62°
26	176 - 189 05:03 - 21:42	16:40 +0 m. 62°

5	156 - 209 05:05 - 21:33	16:28 +1 m. 61°
12	163 - 202 05:02 - 21:38	16:37 +1 m. 62°

6	157 - 208 05:04 - 21:34	16:30 +2 m. 61°
13	164 - 201 05:01 - 21:39	16:38 +1 m. 62°

19	170 - 195 05:01 - 21:41	16:40 +0 m. 62°
26	177 - 188 05:03 - 21:42	16:39 -1 m. 62°

27	178 - 187 05:04 - 21:42	16:38 -1 m. 62°
28	179 - 186 05:04 - 21:42	16:38 +0 m. 62°

7	158 - 207 05:03 - 21:34	16:31 +1 m. 61°
14	165 - 200 05:01 - 21:39	16:38 +0 m. 62°

8	159 - 206 05:03 - 21:35	16:32 +1 m. 61°
15	166 - 199 05:01 - 21:40	16:39 +1 m. 62°

21	172 - 193 05:01 - 21:42	16:40 +0 m. 62°
28	179 - 186 05:04 - 21:42	16:38 +0 m. 62°

29	180 - 185 05:05 - 21:42	16:37 -1 m. 62°
30	181 - 184 05:05 - 21:41	16:36 -1 m. 61°

1	152 - 213 05:07 - 21:29	16:21 +2 m. 60°
8	159 - 206 05:03 - 21:35	16:32 +1 m. 61°

2	153 - 212 05:07 - 21:30	16:23 +2 m. 61°
9	160 - 205 05:02 - 21:36	16:34 +2 m. 61°

15	166 - 199 05:01 - 21:40	16:39 +1 m. 62°
22	173 - 192 05:02 - 21:42	16:40 +0 m. 62°

16	167 - 198 05:01 - 21:40	16:39 +0 m. 62°
23	174 - 191 05:02 - 21:42	16:40 +0 m. 62°

152 - 213 05:07 - 21:29	16:21 +2 m. 60°
159 - 206 05:03 - 21:35	16:32 +1 m. 61°

153 - 212 05:07 - 21:30	16:23 +2 m. 61°
160 - 205 05:02 - 21:36	16:34 +2 m. 61°

166 - 199 05:01 - 21:40	16:39 +1 m. 62°
173 - 192 05:02 - 21:42	16:40 +0 m. 62°

167 - 198 05:01 - 21:40	16:39 +0 m. 62°
174 - 191 05:02 - 21:42	16:40 +0 m. 62°

152 - 213 05:07 - 21:29	16:21 +2 m. 60°
159 - 206 05:03 - 21:35	16:32 +1 m. 61°

153 - 212 05:07 - 21:30	16:23 +2 m. 61°
160 - 205 05:02 - 21:36	16:34 +2 m. 61°

166 - 199 05:01 - 21:40	16:39 +1 m. 62°
173 - 192 05:02 - 21:42	16:40 +0 m. 62°

167 - 198 05:01 - 21:40	16:39 +0 m. 62°
174 - 191 05:02 - 21:42	16:40 +0 m. 62°

152 - 213 05:07 - 21:29	16:21 +2 m. 60°
159 - 206 05:03 - 21:35	16:32 +1 m. 61°

153 - 212 05:07 - 21:30	16:23 +2 m. 61°
160 - 205 05:02 - 21:36	16:34 +2 m. 61°

166 - 199 05:01 - 21:40	16:39 +1 m. 62°
173 - 192 05:02 - 21:42	16:40 +0 m. 62°

167 - 198 05:01 - 21:40	16:39 +0 m. 62°
174 - 191 05:02 - 21:42	16:40 +0 m. 62°

10.099°E, 51.682°N

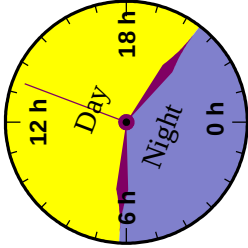
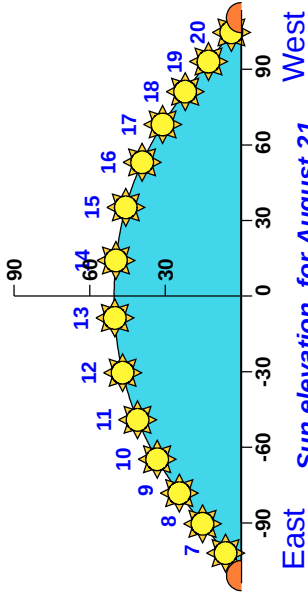
Duration of the day, for July 21

Duration of the day - Variation - Sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27	1182 - 183 05:06 - 21:41 16:35 -1 m. 61°	1183 - 182 05:07 - 21:41 16:34 -1 m. 61°	1184 - 181 05:07 - 21:40 16:33 -1 m. 61°	1185 - 180 05:08 - 21:40 16:32 -1 m. 61°	1186 - 179 05:09 - 21:39 16:30 -2 m. 61°	1187 - 178 05:10 - 21:39 16:29 -1 m. 61°	1188 - 177 05:11 - 21:38 16:27 -2 m. 61°
28	1189 - 176 05:12 - 21:37 16:26 -1 m. 61°	1190 - 175 05:13 - 21:37 16:24 -2 m. 61°	1191 - 174 05:14 - 21:36 16:22 -2 m. 61°	1192 - 173 05:15 - 21:35 16:20 -2 m. 60°	1193 - 172 05:16 - 21:34 16:18 -2 m. 60°	1194 - 171 05:17 - 21:33 16:16 -2 m. 60°	1195 - 170 05:18 - 21:32 16:14 -2 m. 60°
29	1196 - 169 05:19 - 21:31 16:12 -2 m. 60°	1197 - 168 05:21 - 21:30 16:10 -2 m. 60°	1198 - 167 05:22 - 21:29 16:08 -2 m. 59°	1199 - 166 05:23 - 21:28 16:05 -3 m. 59°	1200 - 165 05:24 - 21:27 16:03 -2 m. 59°	1201 - 164 05:26 - 21:26 16:00 -3 m. 59°	1202 - 163 05:27 - 21:25 15:58 -2 m. 59°
30	1203 - 162 05:28 - 21:23 15:55 -3 m. 59°	1204 - 161 05:30 - 21:22 15:52 -3 m. 58°	1205 - 160 05:31 - 21:21 15:50 -2 m. 58°	1206 - 159 05:33 - 21:19 15:47 -3 m. 58°	1207 - 158 05:34 - 21:18 15:44 -3 m. 58°	1208 - 157 05:35 - 21:16 15:41 -3 m. 57°	1209 - 156 05:37 - 21:15 15:38 -3 m. 57°
31	1210 - 155 05:38 - 21:13 15:35 -3 m. 57°	1211 - 154 05:40 - 21:12 15:32 -3 m. 57°	1212 - 153 05:41 - 21:10 15:29 -3 m. 56°				

August 2013

Katlenburg-Lindau
10.099°E, 51.682°N



Duration of the day, for August 21

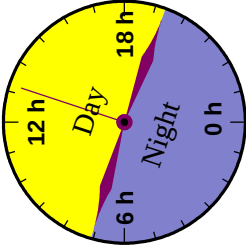
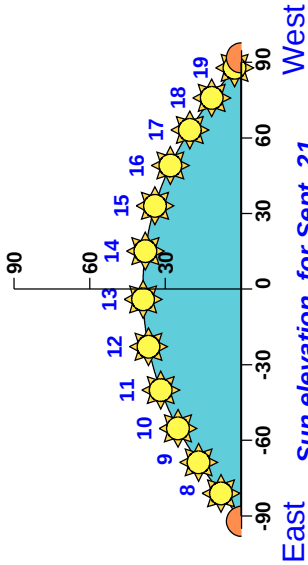
Duration of the day - Variation - Sun maximal elevation (°)

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
31		32		33		34		35					
5	217 - 148 05:49 - 21:01 15:13 -3 m. 55°	6	218 - 147 05:51 - 21:00 15:09 -4 m. 55°	7	219 - 146 05:52 - 20:58 15:06 -3 m. 55°	8	220 - 145 05:54 - 20:56 15:02 -4 m. 54°	9	221 - 144 05:55 - 20:54 14:59 -3 m. 54°	10	222 - 143 05:57 - 20:52 14:55 -4 m. 54°	11	223 - 142 05:58 - 20:50 14:52 -3 m. 53°
12	224 - 141 06:00 - 20:48 14:48 -4 m. 53°	13	225 - 140 06:02 - 20:47 14:45 -3 m. 53°	14	226 - 139 06:03 - 20:45 14:41 -4 m. 53°	15	227 - 138 06:05 - 20:43 14:38 -3 m. 52°	16	228 - 137 06:06 - 20:41 14:34 -4 m. 52°	17	229 - 136 06:08 - 20:39 14:31 -3 m. 52°	18	230 - 135 06:10 - 20:36 14:27 -4 m. 51°
19	231 - 134 06:11 - 20:34 14:23 -4 m. 51°	20	232 - 133 06:13 - 20:32 14:20 -3 m. 51°	21	233 - 132 06:14 - 20:30 14:16 -4 m. 50°	22	234 - 131 06:16 - 20:28 14:12 -4 m. 50°	23	235 - 130 06:18 - 20:26 14:08 -4 m. 49°	24	236 - 129 06:19 - 20:24 14:05 -3 m. 49°	25	237 - 128 06:21 - 20:22 14:01 -4 m. 49°
26	238 - 127 06:22 - 20:20 13:57 -4 m. 49°	27	239 - 126 06:24 - 20:17 13:53 -4 m. 48°	28	240 - 125 06:26 - 20:15 13:49 -4 m. 48°	29	241 - 124 06:27 - 20:13 13:46 -3 m. 48°	30	242 - 123 06:29 - 20:11 13:42 -4 m. 47°	31	243 - 122 06:30 - 20:08 13:38 -4 m. 47°		

September 2013

Katlenburg-Lindau
10.099°E, 51.682°N



East Sun elevation, for Sept. 21 West

Duration of the day, for September 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

2	245 - 120 06:34 - 20:04	13:30	-4 m.	46°
9	252 - 113 06:45 - 19:48	13:03	-4 m.	43°
16	259 - 106 06:56 - 19:32	12:36	-4 m.	41°

36

3	246 - 119 06:35 - 20:02	13:27	-3 m.	46°
10	253 - 112 06:47 - 19:46	12:59	-4 m.	43°
17	260 - 105 06:58 - 19:30	12:32	-4 m.	40°

37

10	253 - 112 06:47 - 19:46	12:59	-4 m.	43°
17	260 - 105 06:58 - 19:30	12:32	-4 m.	40°
24	267 - 98 07:09 - 19:13	12:04	-4 m.	38°

38

9	252 - 113 06:45 - 19:48	13:03	-4 m.	43°
16	259 - 106 06:56 - 19:32	12:36	-4 m.	41°
23	266 - 99 07:07 - 19:16	12:08	-4 m.	38°

39

30	273 - 92 07:19 - 19:00	11:41	-4 m.	35°
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3	246 - 119 06:35 - 20:02	13:27	-3 m.	46°
10	253 - 112 06:47 - 19:46	12:59	-4 m.	43°
17	260 - 105 06:58 - 19:30	12:32	-4 m.	40°

11	254 - 111 06:48 - 19:43	12:55	-4 m.	43°
18	261 - 104 06:59 - 19:27	12:28	-4 m.	40°
25	268 - 97 07:11 - 19:11	12:00	-4 m.	37°

4	247 - 118 06:37 - 19:59	13:23	-4 m.	45°
11	254 - 111 06:48 - 19:43	12:55	-4 m.	43°
18	261 - 104 06:59 - 19:27	12:28	-4 m.	40°

5	248 - 117 06:39 - 19:57	13:19	-4 m.	45°
12	255 - 110 06:50 - 19:41	12:52	-3 m.	42°
19	262 - 103 07:01 - 19:25	12:24	-4 m.	40°

6	249 - 116 06:40 - 19:55	13:15	-4 m.	45°
13	256 - 109 06:51 - 19:39	12:48	-4 m.	42°
20	263 - 102 07:03 - 19:23	12:20	-4 m.	39°

7	250 - 115 06:42 - 19:53	13:11	-4 m.	44°
14	257 - 108 06:53 - 19:37	12:44	-4 m.	42°
21	264 - 101 07:04 - 19:20	12:16	-4 m.	39°

8	251 - 114 06:43 - 19:50	13:07	-4 m.	44°
15	258 - 107 06:55 - 19:34	12:40	-4 m.	41°
22	265 - 100 07:06 - 19:18	12:12	-4 m.	38°

12	255 - 110 06:50 - 19:41	12:52	-3 m.	42°
19	262 - 103 07:01 - 19:25	12:24	-4 m.	40°
26	269 - 96 07:12 - 19:09	11:56	-4 m.	37°

13	256 - 109 06:51 - 19:39	12:48	-4 m.	42°
20	263 - 102 07:03 - 19:23	12:20	-4 m.	39°
27	270 - 95 07:14 - 19:06	11:53	-3 m.	37°

14	257 - 108 06:53 - 19:37	12:44	-4 m.	42°
21	264 - 101 07:04 - 19:20	12:16	-4 m.	39°
28	271 - 94 07:16 - 19:04	11:49	-4 m.	36°

1	244 - 121 06:32 - 20:06	13:34	-4 m.	46°
8	251 - 114 06:43 - 19:50	13:07	-4 m.	44°
15	258 - 107 06:55 - 19:34	12:40	-4 m.	41°

2	245 - 120 06:34 - 20:04	13:30	-4 m.	46°
9	252 - 113 06:45 - 19:48	13:03	-4 m.	43°
16	259 - 106 06:56 - 19:32	12:36	-4 m.	41°

3	246 - 119 06:35 - 20:02	13:27	-3 m.	46°
10	253 - 112 06:47 - 19:46	12:59	-4 m.	43°
17	260 - 105 06:58 - 19:30	12:32	-4 m.	40°

4	247 - 118 06:37 - 19:59	13:23	-4 m.	45°
11	254 - 111 06:48 - 19:43	12:55	-4 m.	43°
18	261 - 104 06:59 - 19:27	12:28	-4 m.	40°

5	248 - 117 06:39 - 19:57	13:19	-4 m.	45°
12	255 - 110 06:50 - 19:41	12:52	-3 m.	42°
19	262 - 103 07:01 - 19:25	12:24	-4 m.	40°

6	249 - 116 06:40 - 19:55	13:15	-4 m.	45°
13	256 - 109 06:51 - 19:39	12:48	-4 m.	42°
20	263 - 102 07:03 - 19:23	12:20	-4 m.	39°

7	250 - 115 06:42 - 19:53	13:11	-4 m.	44°
14	257 - 108 06:53 - 19:37	12:44	-4 m.	42°
21	264 - 101 07:04 - 19:20	12:16	-4 m.	39°

8	251 - 114 06:43 - 19:50	13:07	-4 m.	44°
15	258 - 107 06:55 - 19:34	12:40	-4 m.	41°
22	265 - 100 07:06 - 19:18	12:12	-4 m.	38°

9	252 - 113 06:45 - 19:48	13:03	-4 m.	43°
16	259 - 106 06:56 - 19:32	12:36	-4 m.	41°
23	266 - 99 07:07 - 19:16	12:08	-4 m.	38°

10	253 - 112 06:47 - 19:46	12:59	-4 m.	43°
17	260 - 105 06:58 - 19:30	12:32	-4 m.	40°
24	267 - 98 07:09 - 19:13	12:04	-4 m.	38°

11	254 - 111 06:48 - 19:43	12:55	-4 m.	43°
18	261 - 104 06:59 - 19:27	12:28	-4 m.	40°
25	268 - 97 07:11 - 19:11	12:00	-4 m.	37°

12	255 - 110 06:50 - 19:41	12:52	-3 m.	42°
19	262 - 103 07:01 - 19:25	12:24	-4 m.	40°
26	269 - 96 07:12 - 19:09	11:56	-4 m.	37°

13	256 - 109 06:51 - 19:39	12:48	-4 m.	42°
20	263 - 102 07:03 - 19:23	12:20	-4 m.	39°
27	270 - 95 07:14 - 19:06	11:53	-3 m.	37°

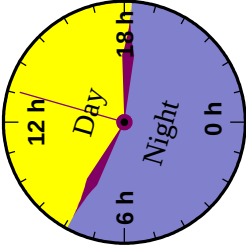
14	257 - 108 06:53 - 19:37	12:44	-4 m.	42°
21	264 - 101 07:04 - 19:20	12:16	-4 m.	39°
28	271 - 94 07:16 - 19:04	11:49	-4 m.	36°

15	258 - 107 06:55 - 19:34	12:40	-4 m.	41°
22	265 - 100 07:06 - 19:18	12:12	-4 m.	38°
29	272 - 93 07:17 - 19:02	11:45	-4 m.	36°

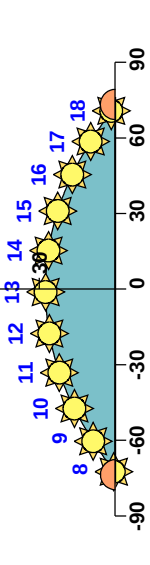
October 2013

Katlenburg-Lindau

10.099°E, 51.682°N



East Sun elevation, for Oct. 21 West



Duration of the day, for October 21

Duration of the day - Variation - Sun maximal elevation (°)

Time change October 27

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

42

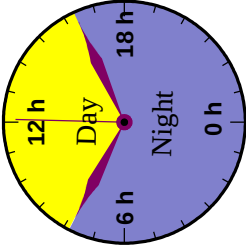
43

44

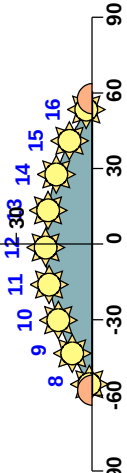
1 274 - 91 07:21 - 18:57 11:37 -4 m. 35°	2 275 - 90 07:22 - 18:55 11:33 -4 m. 35°	3 276 - 89 07:24 - 18:53 11:29 -4 m. 34°	4 277 - 88 07:26 - 18:50 11:25 -4 m. 34°	5 278 - 87 07:27 - 18:48 11:21 -4 m. 33°	6 279 - 86 07:29 - 18:46 11:17 -4 m. 33°
7 280 - 85 07:31 - 18:44 11:13 -4 m. 33°	8 281 - 84 07:32 - 18:41 11:09 -4 m. 32°	9 282 - 83 07:34 - 18:39 11:05 -4 m. 32°	10 283 - 82 07:36 - 18:37 11:01 -4 m. 32°	11 284 - 81 07:37 - 18:35 10:58 -3 m. 31°	12 285 - 80 07:39 - 18:33 10:54 -4 m. 31°
13 286 - 79 07:41 - 18:30 10:50 -4 m. 30°	14 287 - 78 07:42 - 18:28 10:46 -4 m. 30°	15 288 - 77 07:44 - 18:26 10:42 -4 m. 30°	16 289 - 76 07:46 - 18:24 10:38 -4 m. 29°	17 290 - 75 07:48 - 18:22 10:34 -4 m. 29°	18 291 - 74 07:49 - 18:20 10:31 -3 m. 29°
19 292 - 73 07:51 - 18:18 10:27 -4 m. 28°	20 293 - 72 07:53 - 18:16 10:23 -4 m. 28°	21 294 - 71 07:54 - 18:13 10:19 -4 m. 28°	22 295 - 70 07:56 - 18:11 10:15 -4 m. 27°	23 296 - 69 07:58 - 18:09 10:12 -3 m. 27°	24 297 - 68 08:00 - 18:07 10:08 -4 m. 26°
25 298 - 67 08:01 - 18:05 10:04 -4 m. 26°	26 299 - 66 08:03 - 18:03 10:00 -4 m. 26°	27 300 - 65 07:05 - 17:02 9:56 -4 m. 25°	28 301 - 64 07:07 - 17:00 9:52 -4 m. 25°	29 302 - 63 07:09 - 16:58 9:49 -3 m. 25°	30 303 - 62 07:10 - 16:56 9:45 -4 m. 24°
31 304 - 61 07:12 - 16:54 9:41 -4 m. 24°					

November 2013

Katlenburg-Lindau
10.099°E, 51.682°N



East Sun elevation, for Nov. 21



Duration of the day, for November 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

45

46

47

48

4	308 - 57 07:19 - 16:47	9:27	-4 m.	23°
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11	315 - 50 07:32 - 16:35	9:03	-4 m.	21°
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18	322 - 43 07:44 - 16:26	8:42	-3 m.	19°
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25	329 - 36 07:55 - 16:18	8:23	-2 m.	18°
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5	309 - 56 07:21 - 16:45	9:24	-3 m.	23°
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12	316 - 49 07:33 - 16:34	9:00	-3 m.	21°
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19	323 - 42 07:45 - 16:25	8:39	-3 m.	19°
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26	330 - 35 07:57 - 16:17	8:20	-3 m.	17°
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6	310 - 55 07:23 - 16:43	9:20	-4 m.	22°
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13	317 - 48 07:35 - 16:32	8:57	-3 m.	20°
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20	324 - 41 07:47 - 16:23	8:36	-3 m.	19°
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27	331 - 34 07:58 - 16:16	8:18	-2 m.	17°
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7	311 - 54 07:25 - 16:42	9:17	-3 m.	22°
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14	318 - 47 07:37 - 16:31	8:54	-3 m.	20°
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21	325 - 40 07:49 - 16:22	8:33	-3 m.	18°
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28	332 - 33 08:00 - 16:16	8:16	-2 m.	17°
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1	305 - 60 07:14 - 16:52	9:38	-3 m.	24°
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8	312 - 53 07:26 - 16:40	9:13	-4 m.	22°
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15	319 - 46 07:39 - 16:30	8:51	-3 m.	20°
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22	326 - 39 07:50 - 16:21	8:30	-3 m.	18°
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29	333 - 32 08:01 - 16:15	8:13	-3 m.	17°
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2	306 - 59 07:16 - 16:50	9:34	-4 m.	23°
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9	313 - 52 07:28 - 16:39	9:10	-3 m.	21°
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16	320 - 45 07:40 - 16:28	8:48	-3 m.	20°
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23	327 - 38 07:52 - 16:20	8:28	-2 m.	18°
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30	334 - 31 08:03 - 16:14	8:11	-2 m.	17°
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3	307 - 58 07:17 - 16:49	9:31	-3 m.	23°
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10	314 - 51 07:30 - 16:37	9:07	-3 m.	21°
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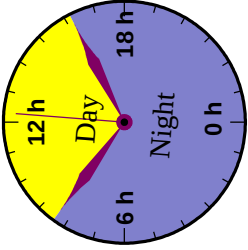
17	321 - 44 07:42 - 16:27	8:45	-3 m.	19°
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24	328 - 37 07:54 - 16:19	8:25	-3 m.	18°
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December 2013

Katlenburg-Lindau

10.099°E, 51.682°N



East Sun elevation, for Dec. 21

Duration of the day, for December 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

2	336 - 29 08:05 - 16:13	8:07	-2 m.	16°
9	343 - 22 08:14 - 16:10	7:56	-1 m.	16°

3	337 - 28 08:07 - 16:12	8:05	-2 m.	16°
10	344 - 21 08:15 - 16:10	7:54	-2 m.	15°

4	338 - 27 08:08 - 16:12	8:03	-2 m.	16°
11	345 - 20 08:16 - 16:10	7:53	-1 m.	15°

5	339 - 26 08:09 - 16:11	8:02	-1 m.	16°
12	346 - 19 08:17 - 16:10	7:52	-1 m.	15°

6	340 - 25 08:11 - 16:11	8:00	-2 m.	16°
13	347 - 18 08:18 - 16:10	7:51	-1 m.	15°

7	341 - 24 08:12 - 16:11	7:58	-2 m.	16°
14	348 - 17 08:19 - 16:10	7:50	-1 m.	15°

1	335 - 30 08:04 - 16:13	8:09	-2 m.	17°
8	342 - 23 08:13 - 16:10	7:57	-1 m.	16°

16	350 - 15 08:21 - 16:10	7:49	-1 m.	15°
23	357 - 8 08:25 - 16:13	7:48	+0 m.	15°

17	351 - 14 08:21 - 16:10	7:49	+0 m.	15°
24	358 - 7 08:25 - 16:14	7:48	+0 m.	15°

18	352 - 13 08:22 - 16:11	7:48	-1 m.	15°
25	359 - 6 08:26 - 16:14	7:48	+0 m.	15°

19	353 - 12 08:23 - 16:11	7:48	+0 m.	15°
26	360 - 5 08:26 - 16:15	7:49	+1 m.	15°

20	354 - 11 08:23 - 16:11	7:48	+0 m.	15°
27	361 - 4 08:26 - 16:16	7:49	+0 m.	15°

21	355 - 10 08:24 - 16:12	7:48	+0 m.	15°
28	362 - 3 08:26 - 16:17	7:50	+1 m.	15°

22	356 - 9 08:24 - 16:12	7:48	+0 m.	15°
29	363 - 2 08:26 - 16:18	7:51	+1 m.	15°

30	364 - 1 08:26 - 16:18	7:52	+1 m.	15°
31	365 - 0 08:26 - 16:19	7:53	+1 m.	15°